WHAT IS CLAIMED IS:

1. An apparent data erasure method related to the protection of written data in an optical disk by a first user from unauthorized accessing or copying by a second user, comprising the steps of:

5   dividing the boot region of an optical disk into a first sub-boot region and a second sub-boot region;

storing up the content of a first data content table in the first sub-boot region;

storing up the actual data in the data-recording region of the

10   optical disk; and

storing up the content of a second data content table in the second sub-boot region;

wherein the first data content table holds all related data for accessing the actual data while the second data content table holds only a portion of the

15   information for accessing a portion of the actual data.

2. The method of claim 1, wherein actual data includes document data, image data and photographic data.

3. The method of claim 1, wherein the related data includes a plurality of data addresses, a plurality of data lengths and a plurality of data attributes.

20   4. An apparent data erasure method related to the capability of a second user to access only the non-hidden data in an optical disk, comprising the steps of:

removing the data corresponding to a second data content table from the data corresponding to a first data content table, wherein content of the first data

content table is stored in a first sub-boot region of the optical disk while content of the second data content table is stored in a second sub-boot region of the optical disk;

displaying of the remaining data in a data-recording region that corresponds to the first data content table; and

5   permitting a second user to access data in the displayable data recording-region.

5. The method of claim 4, wherein the actual data includes document data, image data and photographic data.

6. The method of claim 4, wherein before the step of permitting the second user

10   to access data in the optical disk, further includes the following treatments:

finding the authority level of the second user;

permitting the second user to access all the data within the optical disk if the second user has appropriate authority; and

displaying only a portion of the data in the optical disk if the

15   second user does not have appropriate authority to read the entire disk.

7. The method of claim 4, wherein the first data content table records all the related data for accessing any data within the optical disk.

8. The method of claim 4, wherein the second data content table records a portion of the related data for accessing a portion of the data in the optical disk.

20   9. The method of claim 7 or claim 8, wherein the related data includes a plurality of data addresses, a plurality of data lengths and a plurality of data attributes.

10. An apparent data erasure method related to the protection of written data in an optical disk by a first user from unauthorized accessing or copying by a second user, comprising the steps of:

dividing the boot region of an optical disk into a first sub-boot region and a second sub-boot region;

storing up the content of a first data content table in the first sub-boot region;

5 storing up the actual data in the data-recording region of the optical disk;

storing up the content of a second data content table in the second sub-boot region;

removing the content in the second data content table from the

10 content in the first data content table;

displaying the content of the first data content table after removing the content in the second data content table;

searching out the data in the data-recording region that corresponds to the remaining content in the first data content table; and

15 permitting the second user to access the data in the data-recording region that corresponds to the remaining content in the first data content table.

11. The method of claim 10, wherein the actual data includes document data, image data and photographic data.

12. The method of claim 10, wherein before the step of permitting the second

20 user to access data in the optical disk, further includes the following treatments:

finding the authority level of the second user;

permitting the second user to access all the data within the optical disk if the second user has appropriate authority; and

displaying only a portion of the data in the optical disk if the second user does not have appropriate authority to read the entire disk.

13. The method of claim 10, wherein the first data content table records all the related data for accessing any data within the optical disk.

5   14. The method of claim 10, wherein the second data content table records a portion of the related data for accessing a portion of the data in the optical disk.

15. The method of claim 13 or claim 14, wherein the related data includes a plurality of data addresses, a plurality of data lengths and a plurality of data attributes.